

DeNOx Catalyst Management



HITACHI POWER SYSTEMS AMERICA, LTD.

Bench Scale, AIG Optimization, Replacement & Regeneration

Your plant operation depends on the performance of your SCR catalyst, Thus routine service and inspection is a vital way to ensure peak performance of your SCR system.

Hitachi has researched, developed and supplied flue gas NOx removal catalyst to over 500 thermal power plants throughout the world. Hitachi has the experience and knowledge to test and inspect your catalyst and optimize your AIG.

Hitachi is your low cost solution provider to meet your catalyst management needs. We can be there to guide you or perform the catalyst management to meet your plant performance needs.



Bench Scale Test Facility

Ammonia Injection Optimization

Adjustment of your ammonia injection grid is an effective procedure to improve your SCR system performance. By adjusting the ammonia flow rate from the AIG according to the NOx and Gas Flow distribution NH₃ slip can be reduced thus reducing air heater pluggage.

Bench Scale and Laboratory Testing

Routine testing is a cost effective way to avoid forced outages. Hitachi can test your catalyst for activity level and provide you with a remaining life expectancy so that catalyst addition, replacement, or regeneration can be scheduled to meet your plant outage needs.

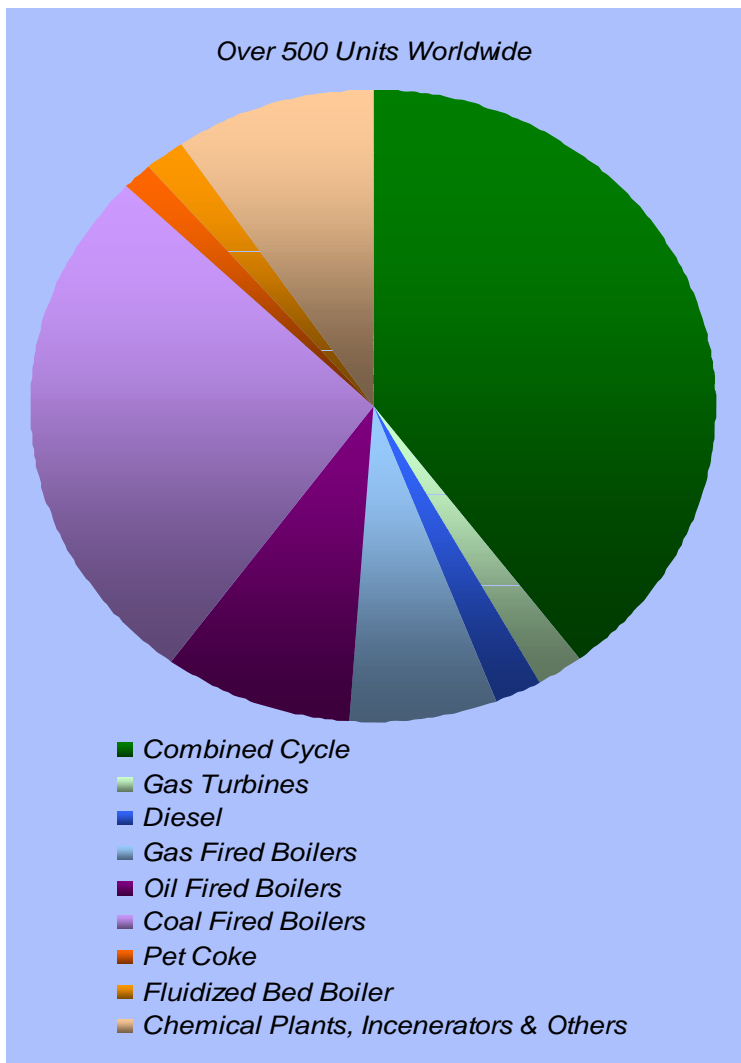
Replacement & Regeneration Services

If your catalyst has outlived its useful life, Hitachi can help determine if replacement or regeneration is best for your specific needs. Hitachi can offer **low SO₂ oxidation** catalyst and "half" blocks to maximize your management solution. We will determine how much catalyst is required and deliver the catalyst to meet your outage schedule



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Experience



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Catalyst Products and Services

- DeNOx Catalyst for Coal and Oil
- DeNOx Catalyst for Natural Gas
- Regeneration/Rejuvenation

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